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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/827,816	KARLSSON ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	CHUONG T. HO	2616	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/19/07.
2. ☒ The allowed claim(s) is/are 1-2,4-9,11-16,18-20 renumbered 1-17 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>05/14/07</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|  | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Steven A. Shaw on May 14, 2007.

2. The application has been amended as follows:

#### IN THE CLAIMS

CLAIM 1, Line 2, replace " and host processor" by - - and a host processor --;

CLAIM 1, after Line 14, insert - - a router identifier table having a memory for storing channel pointers, wherein said physical phone line identifier indexes to a particular channel pointer which identifies a transmit channel in a channel state table; and wherein said channel state table having a memory for storing channel information for a plurality of transmit channels, said channel information including a pointer to a transmit buffer, wherein said voice and signaling and management packets identified to a particular transmit buffer are forwarded to said particular transmit buffer for further processing and transmission to a destination port --;

CANCEL CLAIM 3;

CLAIM 4, Line 1, replace "The apparatus of claim 3" by - The apparatus of claim 1 ---;

CLAIM 5, Line 1, replace "The apparatus of claim 3" by - The apparatus of claim 1 ---;

CLAIM 7, Line 1, replace "The apparatus of claim 3" by - - The apparatus of claim 1 ---;

CLAIM 8, after Line 19, insert - - a router identifier table having a memory for storing channel pointers, wherein said logical channel identifier indexes to a particular channel pointer entry which identifies a transmit channel in a channel state table; and wherein said channel state table having a memory for storing channel information for a transmit buffer, wherein said voice and signaling and management packets identified to a particular transmit buffer for further processing and transmission to a destination port - -;

CANCEL CLAIM 10;

CLAIM 11, Line 1, replace "The system of claim 10" by - The system of claim 8 ---;

CLAIM 12, Line 1, replace "The system of claim 10" by - - The system of claim 8 -;

CLAIM 13, Line 1, replace "The system of claim 10" by - - The system of claim 8 - -;

CLAIM 14, Line 1, replace "The system of claim 10" by - - The system of claim 8 - -;

CLAIM 15, Line 1, replace " The system of claim 10" by - The system of claim 8 --;

CLAIM 16, after Line 14, insert - - indexing said physical phone line identifier to a set of channel pointers stored in a router identifier table, wherein each of said channel pointers identifies one of a plurality of transmit channel entries in a channel state table; and indexing said signaling and management packet transmit channel identifier to a transmit channel entry in said channel state table --;

CANCEL CLAIM 17;

CLAIM 18, Lines 1, replace "The method of claim 17" by - - The method of claim 16 --;

CLAIM 19, Line 1, replace "The method of claim 17" by - - The method of claim 16 --;

CLAIM 20, Line 1, replace "The method of claim 17" by - - The method of claim 16 --;

***Oath/Declaration***

It does not state that the person making the oath or declaration has reviewed and understands the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration.

***Allowable Subject Matter***

3. Claims 1-2, 4-7, 8-9, 11-15, 16, 18-20 allowed.

The following is an examiner's statement of reasons for allowance: the prior art ( 20020018463, 6865150, 5640399, 6445696, 5982783) of record does not appear to teach or render obvious the claimed limitations in combinations with the specific added limitations, as recited from independent claim 1: "a router identifier table having a memory for storing channel pointers, wherein said physical phone line identifier indexes to a particular channel pointer which identifies a transmit channel in a channel state table; and wherein said channel state table having a memory for storing channel information for a plurality of transmit channels, said channel information including a pointer to a transmit buffer, wherein said voice and signaling and management packets identified to a particular transmit buffer are forwarded to said particular transmit buffer for further processing and transmission to a destination port";

The following is an examiner's statement of reasons for allowance: the prior art ( 20020018463, 6865150, 5640399, 6445696, 5982783) of record does not appear to teach or render obvious the claimed limitations in combinations with the specific added limitations, as recited from independent claim 8: "a router identifier table having a memory for storing channel pointers, wherein said logical channel identifier indexes to a

particular channel pointer entry which identifies a transmit channel in a channel state table; and wherein said channel state table having a memory for storing channel information for a transmit buffer, wherein said voice and signaling and management packets identified to a particular transmit buffer for further processing and transmission to a destination port”;

The following is an examiner's statement of reasons for allowance: the prior art ( 20020018463, 6865150, 5640399, 6445696, 5982783) of record does not appear to teach or render obvious the claimed limitations in combinations with the specific added limitations, as recited from independent claim 16: “indexing said physical phone line identifier to a set of channel pointers stored in a router identifier table, wherein each of said channel pointers identifies one of a plurality of transmit channel entries in a channel state table; and indexing said signaling and management packet transmit channel identifier to a transmit channel entry in said channel state table”;

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUONG T. HO whose telephone number is (571) 272-3133. The examiner can normally be reached on 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

05/14/07

A handwritten signature in black ink, appearing to read 'Huy D. Vu', with a long horizontal line extending to the right.

HUY D. VU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600